



**FIRST RESPONDER**

**T E C H N O L O G I E S**

**The Power of Technology  
To Serve and Protect**

**INVESTOR SUMMARY**

First Responder Technologies Inc.

**2019**

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This Presentation contains "forward-looking information" within the meaning of applicable Canadian securities laws. This information and these statements, referred to herein as "forward looking statements", are made as of the date of this Presentation or as of the date of the effective date of information described in this presentation, as applicable. Forward-looking statements relate to future events or future performance and reflect current estimates, predictions, expectations or beliefs regarding future events and include, without limitation, statements with respect to First Responder's: (i) financial results, future financial position and expected growth of cash flows; (ii) business strategy, including budgets, projected costs, projected capital expenditures, taxes, plans, objectives, potential synergies and industry trends; (iii) research and development, including the Company's development of its concealed weapons detection technology and its pepper spray first aid formula, and the success of any clinical trials associated therewith; (iv) expectations concerning the size and growth of the global security/protection market, the effectiveness of the Company's technology compared to its competitors' products and the laws and regulations governing the development, production, sale and use of the Company's technology; and (v) ability to commercialize its products and navigate potential growth opportunities.

Generally, forward-looking information can be identified by the use of forward-looking terminology such as "plans", "expects", or "does not expect", "is expected", "budget", "scheduled", "estimates", "projects", "targets", "forecasts", "intends", "anticipates", or "does not anticipate", or "believes" or variations of such words and phrases or state that certain actions, events or results "likely", "may", "could", "would", "might", or "will be taken", "occur", or "be achieved". Forward-looking information is based on the opinions and estimates of management at the date the information is made, and is based on a number of assumptions and is subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of the Company to be materially different from those expressed or implied by such forward looking information, including without limitation: (i) the availability and continuity of financing; (ii) the effectiveness of the Company's technology and the Company's ability to bring its technology to commercial production; and (iii) continued growth of the global security/protection market; and (iv) a continued minimal regulatory/legal burden concerning the development, production, sale and use of the Company's technology.

Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. Accordingly, readers should not place undue reliance on forward-looking information. First Responder and its directors, officers and employees disclaim any obligation to update any forward-looking statements, whether as a result of new information, future events or results or otherwise, except as required by applicable law. Accordingly, current and potential investors should not place undue reliance on forward-looking statements due to the inherent uncertainty therein. All forward-looking information is expressly qualified in its entirety by this cautionary statement.

This Presentation does not constitute an offer to sell or the solicitation of an offer to buy securities in any jurisdiction in which such offer, solicitation or sale would be unlawful.

A final prospectus containing important information relating to the securities described in this document has been filed with the securities regulatory authorities in British Columbia, Alberta and Ontario. A copy of the final prospectus, and any amendment, is required to be delivered with this document. This document does not provide full disclosure of all material facts relating to the securities offered. Investors should read the final prospectus, and any amendment, for disclosure of those facts, especially risk factors relating to the securities offered, before making an investment decision.

**No securities regulatory authority has expressed an opinion about these securities and it is an offence to claim otherwise.**



# THE THREAT OF PUBLIC ATTACKS INVOLVING CONCEALED WEAPONS IS ALARMING

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× × × × × ×

## MASS SHOOTINGS IN THE USA\*1



\*1 figures obtained from <https://massshootingtracker.org>



# 15,549 DEATHS BY GUNS

IN THE USA IN 2017\*2

x x x x x x

# 2,143 OFFICER INCIDENTS

WHERE SUSPECTS SHOT OR KILLED IN USA IN 2018\*2

x x x x x x

# 26 KILLED | 20 INJURED

TEXAS FIRST BAPTIST CHURCH MASSACRE,  
SUTHERLAND SPRINGS, TEXAS, NOV 2017\*2

x x x x x x

# 58 KILLED | 546 INJURED

LAS VEGAS STRIP MASSACRE, OCT 2017\*3

x x x x x x

# 17 KILLED

MARJORY STONEMAN DOUGLAS HIGH SCHOOL  
SHOOTING, PARKLAND, FLORIDA, FEB 2018\*3

x x x x x x

\*2 Mother Jones Mass Shooting Database as of 01/24/2019  
See: <https://www.motherjones.com/politics/2012/12/mass-shootings-mother-jones-full-data/>  
\*3 Gun Violence archive.org





# FIRST RESPONDER

T E C H N O L O G I E S

First Responder Technologies was established to commercialize technologies to assist law enforcement in the performance of their duties and to help ensure their safety and the safety of the general public.

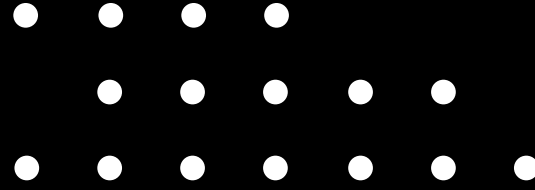
"That type of device being available to first responders can make the difference between life and death for them and for the innocent people around them."

**Hon. Stockwell Day, PC**

Former Minister of Public Safety (Canada)



# OUR SOLUTION



## CONCEALED WEAPONS DETECTION

Product: WiFi Concealed Weapons  
Detection Device • • • • • • • •

Preemptive, easily deployable weapons detection

- Deters, detects and defends
- Highest level of security
- Preserves public privacy
- Enhanced AI machine learning
- Powerful disruptive technology
- Low cost deployment





# WiFi CONCEALED WEAPONS DETECTION DEVICE

First Responder is developing a patent-pending concealed weapons detection product, licensed from Rutgers University and developed in Vancouver with the assistance of Misty West:

1

WiFi based concealed weapons and explosives detection product for use by first responders on laptops and handheld devices.

2

Body worn mobile detection system which will allow officers to covertly scan and assess subjects for weapons as they approach on foot.

Currently in discussions with the AI Lab at a leading Canadian University to enhance the initial Rutgers WiFi Detection Device with Artificial Intelligence capabilities.



# PARTNERS



**RUTGERS**  
UNIVERSITY

**PURDUE**  
UNIVERSITY



mistywest

**AWARDED**

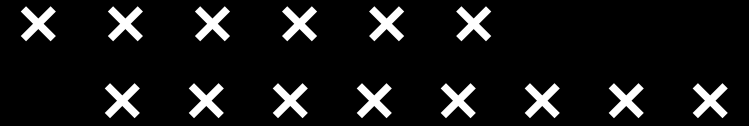


Technology vetted in a peer-reviewed study which received a “best paper” award at the 2018 IEEE Conference on Communications and Network Security.





# COMPETITIVE ADVANTAGES



Upon completion of First Responder Technologies R&D, the anticipated competitive advantages are as follows:

WiFi Based Technology

**VS.**

Millimetre Wave (MMW) and  
Cognitive Microwave Radar  
(CMR) systems

## **Faster to market:**

Fewer regulatory hurdles to deployment.

## **Cost effective:**

Low price point antenna costs.

## **Seamless installation:**

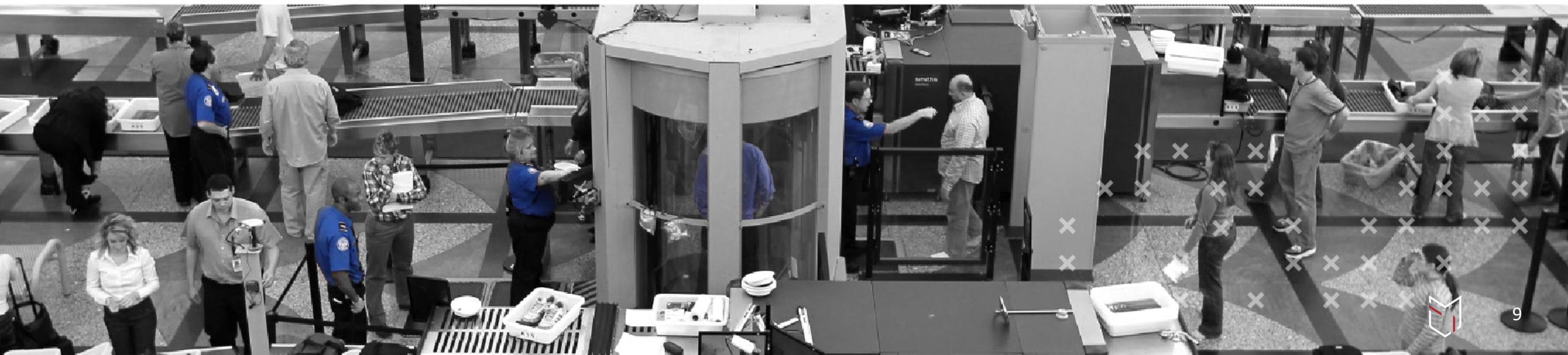
Easy to install, operate and upgrade.

## **Safer:**

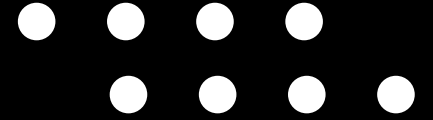
Lower frequency = safer.

## **AI machine learning:**

Providing powerful ongoing updates.



# COMPETITIVE ADVANTAGES

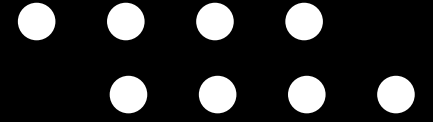


FUNCTION	WIFI	MILLIMETRE WAVE
Wave Penetration (Clothes/Bags)	Lower Frequency = Better Penetration	Higher Frequency = Less Penetration
Transmission Range	Longer	Shorter
Needs FCC License	No	Yes
Public Perception	Open to WiFi	Health Concerns

Competing technologies face implementation challenges because of regulatory issues.



# TARGET MARKETS AND SIZE

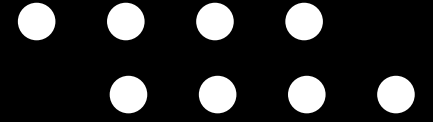


Secured Perimeters/ Buildings	<b>\$2.5b</b> 5% CAGR	Sports venues, movie theatres, night clubs, churches, hotels, hospitals, schools
Land Transportation	<b>\$1b</b> 8% CAGR	Subways, trains, parking garages
Public Venues	<b>\$2b</b> 9% CAGR	Tourist destinations, Christmas markets

Source: GMP Securities



# RECENT CANADIAN PUBLIC SAFETY ACQUISITIONS



RECENT SECURITY COMPANY ACQUISITIONS	DATE	VAL. \$MM	EV/SALES	EV/EBITDA
<b>Avigilon Corporation</b>	28-Mar-18	1,104	2.5x	20.0x
<b>AlarmForce Industries Inc.</b>	5-Jan-18	157	3.7x	29.5x
<b>Morpho Detection International Inc.</b>	1-Apr-16	710	2.2x	10.1x
<b>Average</b>			<b>2.8x</b>	<b>19.9x</b>

Source: S&P Capital IQ, GMP Securities



# THE MARKET OPPORTUNITY

- Global security market to reach **USD \$532 billion by 2022**<sup>\*4</sup>
- WiFi Concealed Weapons Detection Device could significantly rival or displace existing Millimeter Wave device market by 2025<sup>\*5</sup>
- First Responder's WiFi Concealed Weapons Detection Device will be more accurate, safer, and less costly to deploy than existing Millimeter Wave technology<sup>\*6</sup>

<sup>\*4</sup> See Marketsandmarkets.com

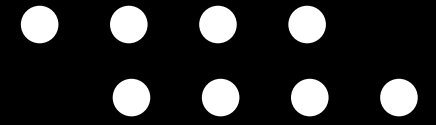
<sup>\*5</sup> First Responder Technologies internal projections

<sup>\*6</sup> Anticipated by management of First Responder Technologies, upon entering the production phase



# PRODUCT DEVELOPMENT ROADMAP

ANTICIPATED MILESTONES FROM DECEMBER 2019

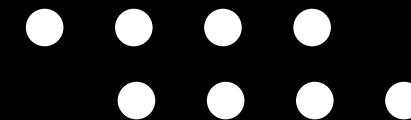


MILESTONES	DELIVERY DATE	EST. R&D COST
Fast Prototype: IP Validation	6 Months (May 2020)	\$735,200 (CAD)
Version Alpha: Laptop	12 Months (November 2020)	\$662,400 (CAD)
Version Beta: Small Scale Deployment + Handheld	18 Months (May 2021)	\$723,000 (CAD)
Version 1.0: Broader Scale Deployment + Devices	24 Months (November 2021)	\$812,400 (CAD)
	<b>TOTAL EST. COST</b>	<b>\$2,933,000 (CAD)</b>

Source: S&P Capital IQ, GMP Securities



# CAPITALIZATION



DESCRIPTION	AUTHORIZED	OUTSTANDING AT THE DATE OF THE PROSPECTUS (Audited)	OUTSTANDING AFTER GIVING EFFECT TO MINIMUM OFFERING (Unaudited)	OUTSTANDING AFTER GIVING EFFECT TO MINIMUM OFFERING (Unaudited)
<b>Shares</b>	Unlimited	40,955,210	50,955,210 <sup>(1)</sup>	60,955,210 <sup>(6)</sup>
<b>Common share purchase warrants</b>	Unlimited	3,488,802	8,488,802 <sup>(2)</sup>	13,488,802 <sup>(7)</sup>
<b>Incentive Stock Options</b>	Maximum 10% of issued and outstanding share capital <sup>(3)</sup>	3,000,000	3,000,000 <sup>(4)</sup>	3,000,000 <sup>(4)</sup>
<b>Agent's Options</b>	1,600,000	Nil	800,000 <sup>(5)</sup>	1,600,000 <sup>(5)</sup>
<b>Total</b>		47,444,012	63,244,012	79,044,012

(1) This number includes the sale of 10,000,000 Unit Shares under the Minimum Offering.

(2) This number includes the sale of 5,000,000 Warrants under the Minimum Offering.

(3) Pursuant to the Plan, the number of the Company's common shares reserved for issuance will be a maximum of 10% of the issued and outstanding share capital of the Company at the date of grant. See "Options to Purchase Securities".

(4) Effective as of the Listing Date, 3,000,000 stock options under the Plan have been granted to officers and directors of the Company. This number does not include the 2,690,000 stock options the Company will issue to certain consultants of the Company after the Listing Date.

(5) As additional consideration for the sale of Units pursuant to this Prospectus, the Agent will be issued Agent's Options of the Company granted to the Agent, entitling the Agent to subscribe for that number of Agent's Option Shares equal to 8% of the Units sold by the Company pursuant to the Offering (being 800,000 Agent's Option Shares in the event of the Minimum Offering and 1,600,000 Agent's Option Shares in the event of the Maximum Offering), at an exercise price of \$0.50 per Agent's Option Share at any time up to twenty-four (24) months from the Listing Date.

(6) This number includes the sale of 20,000,000 Unit Shares under the Maximum Offering.

(7) This number includes the sale of 10,000,000 Warrants under the Maximum Offering.



# BOARD / MANAGEMENT TEAM



**Kal Malhi**  
Chairman



Mr. Malhi is a Canadian entrepreneur, businessman and retired member of the Royal Canadian Mounted Police. He is the Founder, Director and Chairman of Bullrun Capital Inc. and has been involved in raising capital for various projects. Mr. Malhi specializes in working with academia and advances in technology and funded academic research that has potential for commercialization through private and public companies. He has experience in the biomedical, agriculture, and technology sectors. Recently, Mr. Malhi has been the founder of Canadian publicly traded companies including Cannabix Technologies Inc., Patriot One Technologies Inc. and Micron Waste Technologies Inc. Mr. Malhi, through his private holding company Bullrun Capital Inc. also holds positions in several private early stage companies that are expected to obtain public listings in 2019.

Mr. Malhi has not entered into a non-competition or non-disclosure agreement with the Company. It is expected that Mr. Malhi will devote approximately 30% of this time to the business of the Company.

**Robert Delamar**  
CEO/Director



Mr. Delamar is a lawyer and high technology CEO with almost two decades of experience working in the start-up world, both internationally, and in Silicon Valley. Following articles at Blake, Cassels & Graydon LLP in Vancouver, Mr. Delamar worked in an executive business development role for an Israeli satellite communications start-up that was sold to Gilat Satellite Networks Ltd. in 2010. After founding and leading an international digital media company based in Silicon Valley, where he served as CEO between 2011 and 2014, Mr. Delamar returned home to Vancouver to co-found and serve as the first CEO for Pacific Future Energy Corporation, a Near-Zero Net Carbon cleantech refinery project.

In 2015, Mr. Delamar and associates acquired a controlling stake in BitTorrent, Inc., based in San Francisco, where he served as co-CEO of the company before divesting his stake in 2016. Since 2016, Mr. Delamar has been based in Vancouver where, in addition to legal practice, he has consulted for a number of local high tech companies

Mr. Delamar has not entered into a non-competition or non-disclosure agreement with the Company. It is expected that Mr. Delamar will devote approximately 60% of this time to the business of the Company.

**Naresh Singhal**  
CTO and Head of Product and Engineering



Mr. Singhal has more than 30 years of experience in the technology industry in a variety of domains and industry verticals. He completed a B.S. (Honors) in Electronics and Communications Engineering from National Institute of Technology, India, and professional development coursework from Stanford University. He holds one technology patent, with several others pending.

Mr. Singhal started his career as a Scientist with India's Defense Research & Development Organization ("DRDO"), where he led some prestigious defense projects. After the DRDO, Mr. Singhal moved to the United States and worked at a number of different startups. At Entrisphere Inc. ("Entrisphere"), he built Network Management Systems for next generation optical networking products. Entrisphere was acquired by Ericsson and helped Ericsson get a foothold in the wireline business, selling these products to the major Regional Bell operating companies AT&T, Verizon and BellSouth, in response to a multi-billion dollar request-for-proposal.

Subsequently Mr. Singhal led engineering at streaming media startup Sezmi, which went through several acquisitions and mergers before becoming UUX. As VP of Engineering at UUX, he helped create the world's first truly converged internet TV as-a-service platform, that combined linear (live) television and Over-the-Top television in an intuitive multi-device user experience.

Most recently, Mr. Singhal was Chief Technology Officer at Trunomi, a fintech startup building technology for privacy and data rights management, in response to regulations like the EU General Data Protection Regulation, amid increasing concerns about how corporations misuse personally identifiable information.





# BOARD / MANAGEMENT TEAM



**Christopher Moreau**  
Director



Mr. Moreau has over 25 years of experience in progressively senior executive leadership positions including nine years, as President & CEO and Board member of a TSXV listed life sciences company. He is currently CEO of both a privately held drug development company as well as the CEO of a publicly traded, CSE listed, medical device company. Mr. Moreau has a deep, abiding interest in healthcare research and the advancement of medical technology and is highly skilled and experienced in working with and accessing the capital markets.

Mr. Moreau has not entered into a non-competition or non-disclosure agreement with the Company. It is expected that Mr. Moreau will devote approximately 50% of this time to the business of the Company

**Michael Malana**  
CFO



Mr Malana has over 15 years of experience in the administration, accounting and corporate reporting for public companies having served as CFO and Corporate Secretary with several publicly listed companies. Mr. Malana is a Chartered Professional Accountant and holds a Bachelor of Commerce degree in Accounting from Concordia University.

Mr. Malana has not entered into a non-competition or non-disclosure agreement with the Company. It is expected that Mr. Malana will devote approximately 20% of his time to the business of the Company.

**Dr. Mark Williams**  
Chief Scientist



Dr. Williams holds both Ph.D. and MBA designations, and has a successful track record of commercializing early-stage biomedical innovations throughout a multi-decade career. Career highlights include, repositioning three different drugs from preclinical studies directly into Phase II trials, inventing DM199 (Recombinant Protein), which is in Phase II trials for stroke and kidney disease and securing analyst coverage for Diamedica (DMA.V).

Mr. Williams has not entered into a non-competition or non-disclosure agreement with the Company. It is expected that Mr. Williams will devote approximately 40% of this time to the business of the Company.



# ADVISORY COUNCIL



**Hon. Stockwell Day, PC**  
Head Advisor



Mr. Day is Canada's former minister of international trade, minister for the Asia-Pacific Gateway, and regional minister for BC. He was also the leader of Canada's Official Opposition (2000-2001). Before that, he served as treasurer (minister of finance) and acting premier of Alberta. Mr. Day serves on a number of corporate boards and NGOs, including Telus, RCI Capital, Western One Equity, Baylin Technologies, AWZ Ventures, the International Federation of Christians and Jews, the Canada-India Business Council, the Canada-China Business Council (vice-chair), and the Council on Jewish and Israel Affairs. He also serves as a Distinguished Fellow for the Asia Pacific Foundation.

**Bev Busson**  
Advisor



Ms. Busson has had a successful 33 year career in the Royal Canadian Mounted Police, starting as a constable first responder and ultimately rising through the ranks to becoming the 41st Commissioner of the RCMP. Throughout her career she has worked in many operational fields and has championed the cause of officer safety as a linch-pin of her overall role in police leadership.

She earned a law degree from the University of British Columbia and has served in a number of positions as advisor and consultant on issues of National Security and Crime Reduction both provincially and nationally. In 2006 she was named one of Canada's most powerful Women and since that has been awarded 3 Honorary Doctor of Law Degrees from accredited Canadian universities.

Ms. Busson has also served on a number of boards including Board of Directors of the Justice Institute of British Columbia, and the Okanagan College Foundation, and is a member of the Canadian Association of Chiefs of Police. Her honors include, the Order of British Columbia, the Commander of the Order of Merit of Police Forces, and the Order of Canada.

# ADVISORY COUNCIL



**Dr. Steve DiPaola**  
Artificial Intelligence Advisor



Dr. DiPaola, active as an artist and a scientist, is director of the Cognitive Science Program at Simon Fraser University, and leads the iVizLab ([ivizlab.sfu.ca](http://ivizlab.sfu.ca)), a research lab that strives to make computational systems bend more to the human experience by incorporating biological, cognitive and behavior knowledge models. The lab creates computation models of very human ideals such as expression, emotion, behavior, and creativity typically for the gaming, sciences, arts, and health fields. Dr. DiPaola is most known for his AI based computational creativity ([darwinsgaze.com](http://darwinsgaze.com)) and 3D facial expression systems. He came to SFU from Stanford University and before that NYIT Computer Graphics Lab, an early pioneering lab in high-end graphics techniques. Dr. DiPaola's computer-based art has been exhibited internationally including the AIR and Tibor de Nagy galleries in NYC, Tenderpixel Gallery in London and Cambridge University's Kings Art Centre. The work has also been exhibited in major museums, including the Whitney Museum, the MIT Museum, and the Smithsonian.

**Dr. Kelly Sundberg**  
Law Enforcement Division Advisor



Dr. Kelly Sundberg is an Associate Professor in the Department of Economics, Justice, and Policy Studies at Mount Royal University, an Adjunct Professor in the School of Law at the University of Adelaide, Associate Professor in the Faculty of Environmental Design at the University of Calgary, and Fellow of the Canadian Global Affairs Institute. He holds a Bachelor of Arts in Political Science from the University of Victoria, Master of Arts in Justice and Public Safety Leadership and Training from Royal Roads University, and a Doctor of Philosophy in Political and Social Inquiry with a specialization in Criminology from Monash University. Between 2011 and 2013, Dr. Sundberg served as the Chair of the Mount Royal University Department of Justice Studies, and between 2010 and 2012 as the alternate non-government organization representative to the United Nations for the Academy of Criminal Justice Science. Prior to commencing his academic career, Dr. Sundberg worked over fourteen years for the Government of Canada in various border security, policy development, and advisory roles — during which time he received commendations for assisting in the location of three abducted children and apprehending one of the Tennessee Bureau of Investigation's most wanted fugitives. As a noted criminologist, Dr. Sundberg has been qualified as an expert on matters relating to crime prevention and crime reduction through design-by the Alberta Court of Queen's Bench, and on matters relating to immigration enforcement by the Provincial Court of Alberta (Criminal Division).

He has presented his scholarship at high-profile international conferences as a keynote speaker, showcased his research at academic symposiums around the world, and is also published in a variety of-academic and industry periodicals. Most recently, and in collaboration with Dr. Tanya Trussler, Dr. Douglas Olson, and Ralph Snell, AIA (with earlier contributions from Dr. Nikki Filipuzzi), Dr. Sundberg led the development of the SAFE Design Standard® an innovative and multidisciplinary crime reduction through design methodology focused on reducing both the risk and fear of crime through informed planning, design, and engineering.





# FIRST RESPONDER

T E C H N O L O G I E S

## Contact Information:

**Kal Malhi**

Chairman

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